

January 21, 2010



Agenda

Registration 9:30-10:00AM

Introduction and Procurement Overview 10:00-10:15AM Robin Wong

Ames Research Center Overview 10:15-10:30AM

Environmental Overview 10:30-11:00AM

Dr. Ann Clarke

Mike Liu

Safety & Medical Overview 11:00-11:30AM

Stan Phillips

Tour of Facilities 1:00PM-4:00PM

Stan Phillips and Dan Winningham

For your safety

- Emergency Exits
 - In case of an emergency, exit down the stairs and through the main door through which you entered
 - Please proceed to the assembly area in the parking lot on the north side of the building
 - Wait for roll-call and then Fire to release you
- Emergency Reporting
 - Call 911 from base phones
 - Call 650-604-5555 from cell phones

General Guidance

These slides are not to be interpreted as a comprehensive description of all requirements of the solicitation

To the extent there are any inconsistencies between this briefing and the solicitation, the solicitation governs

All questions related to this conference should be submitted in writing by February 28, 2010 to Robin.L.Wong@nasa.gov

Communications Blackout- invoked following issuance of Final RFP

Electronic Files

Link to SEMSS updates on NASA/ARC Business Opportunities Page:

http://prod.nais.nasa.gov/cgi-bin/eps/synopsis.cgi?acqid=137043

The solicitation and any documents related to NNA09263816J-AMH, including Interested Parties list, are available at the above website.

These charts and Pre-Solicitation Conference Attendance List will be posted to the above website.

E-Mail Notification

- •E-mail notification Tab on NASA/ARC Business Opportunities Page
 - http://prod.nais.nasa.gov/cgi-bin/nens/index.cgi
- •Receive notification based on:
 - •NASA Center
 - Specific acquisition number
 - Product or Service Code

Freedom of Information Act (FOIA) Requests

- •FOIA Requests- method for obtaining information on current contracts
- No proprietary information can be disclosed
- •Information that can be disclosed without a FOIA request:
 - Contract number
 - Name of incumbent
 - Contract value and type
 - Period of Performance

Freedom of Information Act (FOIA) Requests

 Direct FOIA Requests electronically to: FOIA Public Liaison Officer: Kelly Garcia foia@arc.nasa.gov

•URL to NASA ARC FOIA Webpage:

http://www.nasa.gov/centers/ames/business/foia/index.html
•Electronic Reading Room

SEMSS Requirement

•Provide Safety, Environmental, and Medical Support Services to the entire Center, including all civil service employees, contractor employees, and visitors.

- Organizations supported:
 - QH- Occupational Safety, Health and Medical Services Division
 - JQ- Environmental Services Division

Current Contract Info

- This procurement will compete the combined requirements currently covered by two existing contracts:
 - 1. Occupational Safety, Industrial Hygiene, and Medical Support Services
 - Contract No.: NNA06AA01C
 - Contractor: Consolidated Safety Services, Inc.
 - Current Value: Approx. \$34M
 - Type of Contract: CPAF/CPFF
 - Period of Performance: 2/8/06 4/30/11

Current Contract Info

2. Environmental Services

- Contract No. NNA05AC24C
- Contractor: Integrated Science Solutions, Inc.
- Current Value: Approx. \$25M
- Type of Contract: CPAF
- Period of Performance: 2/5/05-3/3/10

Specific Procurement Info

- o Small Business Set-Aside
 - o NAICS Code: 561210
 - o Size Standard: \$35.5M

Contract type: Single award IDIQ with Firm
 Fixed Price (FFP) and Time and Materials (T&M)
 performance-based task orders

o Period of Performance: 5 years with 2 year base and 3 one-year priced options

Specific Procurement Info

- o Award without discussions
- NFS 1815.209 and FAR 52.215-1
 - o allow for and intended method of competition is award without discussions
- Will hold discussions if in best interest of the Government
- Offeror's intention to take exceptions to terms and conditions should be communicated to the Contracting Officer BEFORE offers are due

Schedule (Tentative)

l. Synopsis Issued April 22, 2008

2. Draft RFP Issued February 2010

3. Presolicitation Conference January 21, 2010

4. Questions/Comments Due March 2010

5. Final RFP issued March 2010

6. Receipt of Proposals April 2010

7. Contract Award August 2010

8. Phase-In August 2010

9. Contract Period begins October 2010

Ames Research Center Overview

Safety Environmental and Medical Support Services Overview

Office of the Director (Code D)

Director: Dr. S. Pete Worden
Deputy Director: Lewis S.G. Braxton III
Associate Center Director: Dr. Steven Zornetzer

Safety and Mission Assurance Directorate (Code Q)

Director: Charles W. Duff II Deputy Director (acting): Michel Liu Associate Director: David B. King

Occupational Safety, Health, and Medical Services Division (Code QH)

Chief: Stanleigh W. Phillips

System Safety and Mission Assurance Division (Code QS)

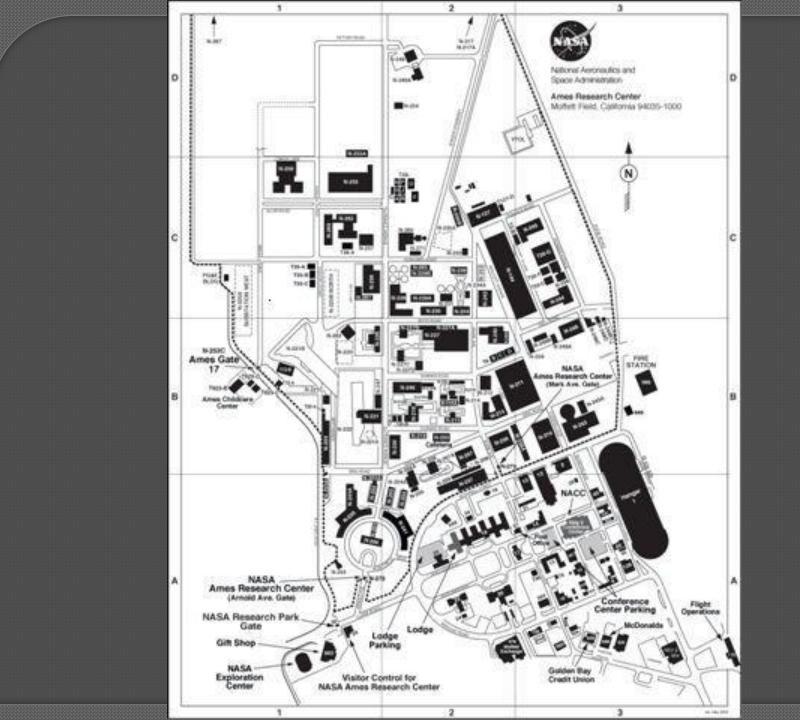
Chief: Dr. Koushik Datta

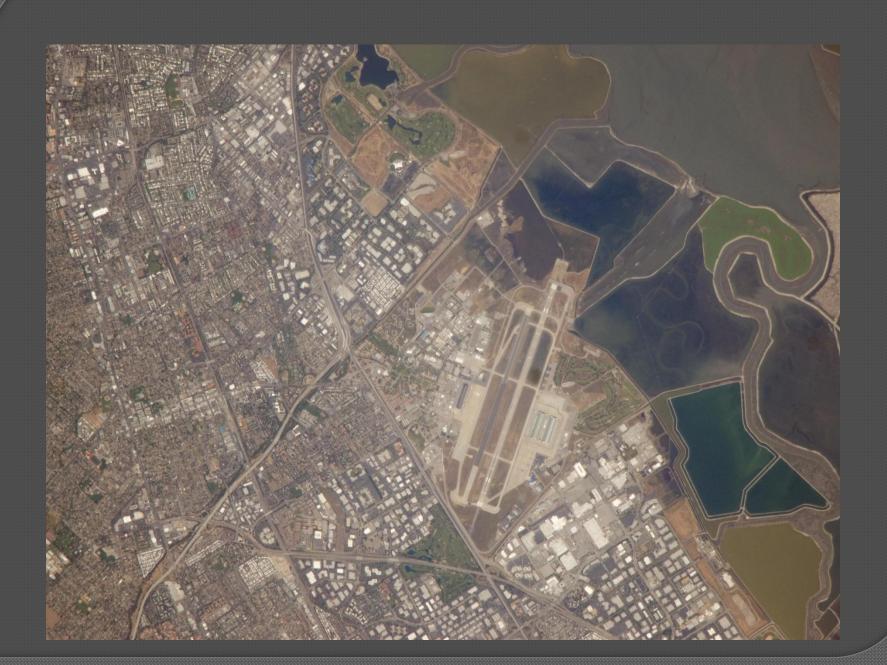
Center Operations Directorate (Code J)

Director: Deborah L. Feng Deputy Director: James D. Alwyn Associate Director: Philip R. Fluegemann

Environmental
Management
Division
(Code JQ)
Chief: Dr. Ann H

Chief: Dr. Ann H. Clarke







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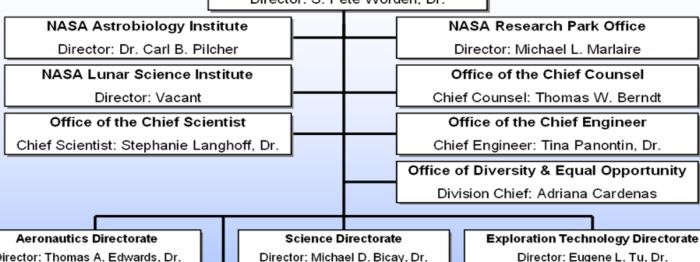
01 October 2008



NASA Ames Research Center

Office of the Director

Director: S. Pete Worden, Dr.



Director: Michael D. Bicay, Dr.

Engineering Directorate

Director: Thomas A. Edwards, Dr.

Director: Peter Klupar

New Ventures and Communications Directorate

Director: Gary L. Martin

Programs & Projects Directorate

Director: Alan Weston

Information Technology Directorate

CIO: Chris Kemp

Agency CFO

Center Operations Directorate

Director: Deb Feng

Human Capital Directorate

Director: Janice Fried

Safety and Mission Assurance Directorate Director: Charles W. Duff

Office of the Chief Financial Officer

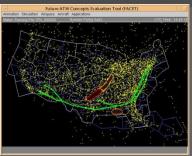
Director/CFO: Paul R. Agnew

Aeronautics – Code A

- Staff 185 CS, 220 Contractors
- •Facilities Offices, Laboratories, Wind Tunnels, Flight Simulators
- Key Operations
 - NASA Aeronautics Research:
 - > Air Traffic Management Automation Systems
 - > Vehicle Aeromechanics, Controls, and Crew Interface Systems
 - > Systems Design and Mission Simulation
 - Testing Services:
 - > Human-in-the-Loop Simulation
 - > Transonic and Supersonic Wind Tunnel Testing
 - -Customers/Partners: FAA, DOD, Industry, and NASA Mission Directorates

Aeronautics – Code A

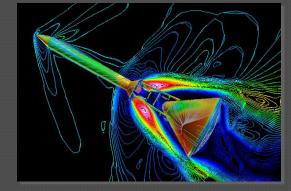


















Office of the Chief Financial Officer (Code C)

Code CS

designs and supports the development of budgeting and accounting systems

Office of the Chief Financial Officer (Code C)

Provides professional leadership for the planning, analysis, justification, procurement, control, and reporting of all ARC fiscal resources, and for ARC strategic management and planning and performance management

Code CR

provides end-toend coordination
of the
Programmatic and
Institutional
resources
management

Facilities: Offices

Staff:

Civil Servants – 104 Contractors – 50

Code CP

provides

program/project

controls and

analysis

Code CE

provides a financial management system that effectively manages, controls, safeguards, and accounts for the government's assets.



Office of the Director – Code D

- Staff 56 CS, 20 Contractors
- Facilities Offices, 2 labs
- Overall Management of the Center
 - Center Director's Office
 - Deputy Director's office, including Chief Engineer
 - Associate Center Director's Office, including Chief Scientist
 - Center for Advanced Aerospace Materials & Devices
 - History Office
 - NASA Engineering & Safety Center Chief Engineer
 - NASA Astrobiology Institute + NASA Lunar Science Institute
 - Office of Diversity and Equal Opportunity
 - Office of Chief Counsel
 - NASA Research Park Office
 - Director of the Aeronautical Test Program (HQ)

Information Technology Directorate-Code I

- Staff 39.5 CS, 160 Contractors
- Facilities Offices, Communication and Computer Facilities,
- Key Operations
 - IT Management
 - IT Security
 - End User Services
 - Business Application Support
 - Data Center
 - Data and Voice Communications (LAN, WAN, Telephones, Radios)
 - Video Distribution Services
 - End User Services (Desktops/Laptops/Workstations, Cell phones, PDAs)
 - Procurement of IT products and services through SEWP and ACITS
 - Agency Security Operations Center

Code I - Information Technology Directorate



Center Operations – Code J

- Staff 161 CS, 400 Contractors
- Facilities Offices, Shops, Warehouse, Hazardous Waste Site
- Key Operations
 - Contract Administration
 - Contract Closeout
 - Security Management
 - Export Control
 - Environmental Management
 - Sustainability Management
 - Facilities Engineering
 - Real Property Management
 - Logistics and Documentation Services
 - Airfield Management
 - Exchange Services

Facilities Engineering & Real Property Management



Logistics & Documentation Services





Acquisition



Center Operations Directorate

Environmental Management



Aviation Management







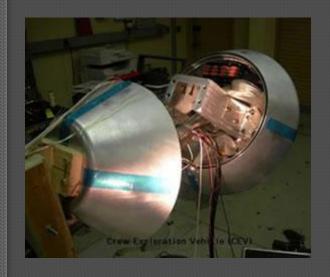




Engineering – Code R

- Staff 137 CS, 116 Contractors
 - 3 Divisions: Mission Design; Engineering Systems; Applied Manufacturing
- Facilities Offices, Labs, Metals Fabrication Shops
- Key Operations
 - Multi-Disciplinary Engineering Design and Analysis
 - > Mechanical, Structural, Electrical, Electronics, Controls, Software, Systems
 - Hardware and Software Development
 - Fabrication and Testing for:
 - > Ground-Based, Airborne, and Space Flight Projects
 - Current Projects Supported:
 - > LCROSS
 - > Small Satellites (PharmaSat, GeneSat)
 - > Constellation Data Systems
 - > Crew Exploration Vehicle (CEV) Thermal Protection System
 - > SOFIA
 - > KSC Ground Operations

Engineering – Code R



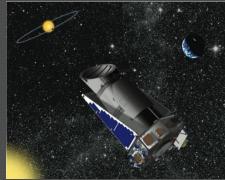












Kepler



SOFIA Aperture & Door

Science Directorate - Code S

- Staff 142 CS, ~200 Contractors, Grantees, & Students
- Facilities Offices, Research Laboratories, Shops, Centrifuges, Flight Hardware
- Key Operations
 - Space Science and Astrobiology
 - Performs research in infrared astrophysics, laboratory astrophysics, extrasolar planets, planetary sciences, exobiology
 - > Support for LRO, LCROSS, Stardust, Kepler, SOFIA
 - > Facilities include High-vacuum cryogenic equipment to simulate space ices, from interstellar grains at 10 K to icy surfaces of planets, comets, and satellites in the outer Solar System; Microbial Ecology/Biogeochemistry Research Lab

- Earth Science

- Performs basic and applied research in atmospheric and biospheric sciences, and conducts airborne science campaigns, including UAV.
- > Support for CASIE, Global Hawk, ARCTAS, WRAP, CASA, SIERRA, Ozone validation.
- > Facilities include Ames Atmospheric Chemistry Laboratory; ARGUS Instrument Lab
- Space Biosciences
 - Provides bioscience knowledge, engineering innovation, and operations capability to extend the human presence beyond earth
 - > Support for SS/ISS,TROPI 2, BION, radiation countermeasures, bio-nanotechnology, immunology, gene expression, pathogenic microorganisms, microgravity research.
 - > Facilities include 20G Centrifuge, High Bay Facility; Life Sciences Data Archive

Science Directorate - Code S



LCROSS Science



Mars Drill



Stardust Comet dust recovery



Extreme Environments



CHEMIN: Remote mineralogical analysis



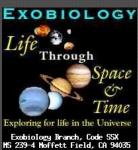
SIERRA: Sensor Integrated Environmental Remote Research Aircraft



Santa Cruz Wildfire



Space Missions



Exobiology Branch, Code SSX HS 239-4 Hoffett Field, CA 9400 ph(650)604-5763 fax(650)604-10 Email: Imattos@mail.arc.nasa.g



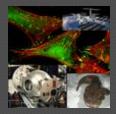
Holter Monitor 2



Advanced Materials



Lunar Dust



Biotechnology



Radiation Technologies

Code T: Exploration Technology Directorate

The Exploration Technology Directorate provides mission-critical applied research and technology development for present and future missions through its four Divisions.

- <u>TH: The Human Systems Integration Division</u> develops human-centered systems to improve crew performance, safety, and health in spacecraft and aircraft. Develops and delivers technologies, concepts, methods, and tools for complex systems including cockpits, operational problems, and crew environments and habitats.
- <u>TI: The Intelligent Systems Division</u> develops advanced software technology products for robots, spacecraft, and mission operations. Deploys intelligent software systems to ensure safe and effective operation within complex constraints and to enable autonomous and remotely managed operations in space and on earth.
- TN: The NASA Advanced Supercomputing Division provides high-end supercomputing resources and services to NASA funded scientists and other critical National needs across exploration, aeronautics, and science. Models complex problems in spacecraft, aircraft, stellar, and earth systems including human spaceflight, crew safety, atmospheres and oceans, nanotechnology, black holes, planets, and moons.
- <u>TS: The Space Technology Division</u> researches and develops thermal protection materials and heat shields for human spaceflight vehicles and un-manned spacecraft for NASA missions and other applications. Operates one of the world's largest arc jet test facilities and performs advanced work in nanotechnologies and materials.

Assets - Key Facilities







ARCJET Facility, Ballistic Range and Advanced Materials











Intelligent Systems and Human System Integration Labs

New Ventures & Communications – Code V

- Staff 61 Civil Servants, 71 Contractors
- Facilities Offices, Exploration Center, Education Encounter,
 Robotics Workshop and Arena
- Key Operations
 - Education
 - Public Outreach
 - Government Relations
 - Legislative Affairs
 - Video/Photography
 - Entrepreneurial Initiatives
 - New Business Services
 - Strategic Management & Analysis
 - Advanced Planning
 - SBIR/STTR Program Office
 - Intellectual Property Management
 - Strategic Investment

New Ventures & Communications – Code V

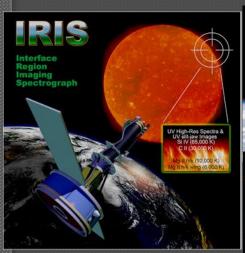




Entrepreneurial Initiatives



Strategic Communications









SBIR Level II Office

Strategic Management and Analysis

Code JQ: Environmental Management Division

Ames Sustainability Program

Dr. Ann Clarke Chief, Environmental Management Division NASA Ames Research Center

Environmental Management Division

- Provides Center environmental leadership and expertise in support of the Agency's culture of exploration and discovery.
- Carries out function in concert with:
 - Center, Agency, National, regional, State, local, and international goals for environmental quality, and
 - NASA values of safety, teamwork, integrity, and mission success.
- Demonstrates the Center's commitment to reducing risk to NASA's mission and Center business priorities by implementing the NASA Environmental Management System (EMS).

Environmental Management Division

Role

- To provide Center environmental leadership and expertise in support of the Agency's culture of exploration and discovery.
- Responsibilities
 - To carry out function in concert with Center, Agency, National, regional, State, local, and international goals for environmental quality.
 - To adhere to NASA values of safety, teamwork, integrity, and mission success.
- Framework
 - Center Environmental Management System (EMS)
 - Improve environmental performance.
 - Reduces risk to NASA's mission and Center business priorities.

Presidential Expectations for NASA

- The President expects NASA to further Federal goals on sustainability
 - Executive Order 13514, Federal Leadership in Environmental, Energy, and Economic Performance (October 5, 2009)
 - Builds on 2007 EO 13423, now §748, Omnibus
 Appropriations Act of 2009
 - EO 13514 requires
 - Implementing EMS at all organizational levels.
 - NPR 8553.1, Environmental Management System (EMS)
 - APR 8800.3, Environmental Procedural Requirements,
 Chapter 26

Ames EMS: Framework Processes

- Plan
 - Policies and Procedures
 - Training, Awareness and Outreach, Advice
- Do
 - Implementation (permits and permit-by-regulation (e.g., NEPA reviews, Executive Orders, remediation)
- Check
 - Monitoring and Evaluation (surveys, studies, assessments, sampling, audits, investigations)
 - Findings and Corrective Actions
 - Reporting
- Other
 - Awards
 - Professional Certifications and Related Training and Professional Development
 - Instrument Calibration
 - Databases, Records and Property Management

Ames EMS: Subject Areas

- Environmental Management (EMS) requirements
- Environmental Impact Analysis (NÉPA)
- Cultural Resources Management
 - Environmental Management: CRM, including Archaeological Resources, Multiple Reports
 - Facilities Engineering: Historic facilities
- Natural Resources
 - Environmental Management: Wildlife Management
 - Facilities Maintenance: Integrated Vegetation Mgmt;
 Integrated Pest Mgmt
 - Airfield: Wildlife Hazard Mgmt
- Air (includes Greenhouse Gases, Air Toxics)
- Hazardous Materials (includes Toxic Gas, PCBs, Nanoparticles)
- Hazardous Waste (includes Medical Waste); also oversee Hazmat Emergency Response

Ames EMS: Subject Areas

- Solid Waste
 - Environmental Management: Multiple reports
 - Logistics: Non-hazardous industrial waste disposal and recycling (such as cardboard, cans, paper, equipment, e-waste)
 - Facilities: Non-hazardous construction and landscaping waste disposal, recycling, and composting
- Remediation of Contaminated Soil and Groundwater, including Green Remediation
- Water (Drinking, Storm Water, Waste Water, Reclaimed Water, Wetlands, Floodplains, Coastal Resources)

Ames EMS: Subject Areas

- Pesticides
 - Environmental Management: (See hazmat/hazwaste) Reviews requests to use as hazmat and oversees storage and disposal.
 - Facilities Maintenance: Integrated Pest Management Plan; contracts with licensed applicators.
- Petroleum, Oils, and Lubricants (POL), Aboveground Storage Tanks (AST), Underground Storage Tanks (UST), Spill Prevention, Control, and Countermeasures (SPCC)
- Vapor Intrusion Sampling and Mitigation Measures
- Sustainability (e.g., EO 13514 Working Group, Division Chiefs Environmental Committee)

- Policies and Procedures
 - -14 CFR 1216.1, Environmental Quality (basic policy, includes environmental R&D)
 - -NPD 8500.1, Environmental Quality
 - -NPR 8553.1, Environmental Management System (EMS)
 - -APD 8800.4, Environmental Programs
 - -APR 8800.3, Environmental Procedural Requirements
 - -Other related
- •Training, Awareness, Outreach, Communication, Advice
 - -SATERN on-line and external training courses (e.g., Green Purchasing)
 - -ASAP on-line and instructor-led courses
 - -Other (e.g., Envtl. Leadership for Supervisors and Managers, includes req'd EMS training)
 - -April 22 Earth Day
 - -Brown bags, special forums
 - -Awards, e.g., Ames Sustainability Award Program
 - -Reports, e.g., Annual Water Quality Report, Ames Environmental Sustainability Report
 - -Websites

- Implementation
 - Permits or permit equivalents (see specific EMS subject areas)
 - Maintain Center-wide permits or permit-equivalents, e.g.,
 - NASA Ames Development Plan EIS and Record of Decision
 - Drinking water permit
 - Burrowing owl management plan
 - PCB inventory
 - Storm Water Management Plan
 - Interface with regulators and Ames proponents
 - Obtain, modify, close other permits, e.g., air permit
 - Facilitate applicant obtaining, modifying and closing permits,
 reviews, etc., e.g., emergency portable generator air permit

- Implementation (continued)
 - -EMS
 - Tiered structure
 - -Pending: Senior level forum
 - -Division Managers Green Committee (2010), Code JQ Chair
 - -Established EO 13514 Working Group (2009) staff-level, multi-divisional »Chaired by Code JQ Division Chief or designee
 - •Environmental Aspects of Center Business Priorities
 - -Previously: All envt'l programs high-priority
 - -Currently: Risk-analysis across Center activities (business priorities)
 - »High-priority: Air (incl GHG), Hazmat, Energy, Water
 - »Medium-priority: Other Sustainability Practices (required)
 - »Base: Compliance (required)
 - •Targets (Goals) and Objectives for Improved Envt'l Performance
 - -Previously: T&O's embedded in APR 8800.3 chapters
 - -Current: T&O's in existing Center CLeMO and AOA documents
 - »CLeMO targets (air (GHG)/energy, compliance, green buildings)
 - »SMA AOA targets (air (GHG)/energy, compliance, water)

- Monitoring and Evaluation
 - Sampling, e.g., stormwater
 - Studies, surveys, assessments, e.g., annual burrowing owl survey, PCB inventory
 - Inspections
 - Multiple agencies, cycles vary
 - Spot checks
 - Users, e.g., tanks, hazmat 90-day storage areas
 - Audits
 - Self-Assessments (each Directorate every 3 years, aligning with VPP annual)
 - EMS internal audit (annual)
 - External audit (HQ-led Environmental Functional Review every 3 years)
 - EMS
 - Compliance
 - Energy & Water
 - Metrics
 - Safety & Mission Assurance Annual Operating Plan Metrics, includes customer feedback
 - Center Leadership & Mgmt. Objectives (~5)
 - Subject matter performance metrics (~85)
 - EMS metrics relating to high- and medium-priority environmental aspects
 - Reported on OMB scorecards

- •Findings and Corrective Action
 - Negotiate findings and corrective actions on behalf of affected organizations
 - -Alert affected organizations
 - -Track closure and pay minor fines
- •Reporting (examples)
 - -Compliance reports, numerous
 - -EO 13423 and EO 13514
 - -Ames Environmental Sustainability Report (annual)
 - -Sustainable Silicon Valley (SSV) CO2 Report (annual)

Awards

- Ames Sustainability Award Program
- NASA Blue Marble Award Program
- Other internal and external
- Instrument Calibration
- Databases and Records Management
 - Coordinate with Ames Records Manager and with CIO
 - Professional Certifications and Development
 - NASA Environment & Energy Conference (2010 w/DOD Conference, Denver, 6/14-6/18)
 - Other (see Training)

Ames Environmental Management Division

- For more information
 - http://environment.arc.nasa.gov

Safety and Mission Assurance - Code O

- Staff 28 CS, 35 Contractors
- Facilities Offices, Health Unit, Fitness Center
- Key Operations
 - Occupational Safety
 - Industrial Hygiene
 - System Safety
 - Mission Assurance
 - Health Physics
 - Fire Protection Engineering
 - Explosives Safety
 - Medical, Employee Assistance
 - Fitness/Wellness
 - 911 Response
 - Safety/Health and Mission Assurance Training

Safety and Mission Assurance

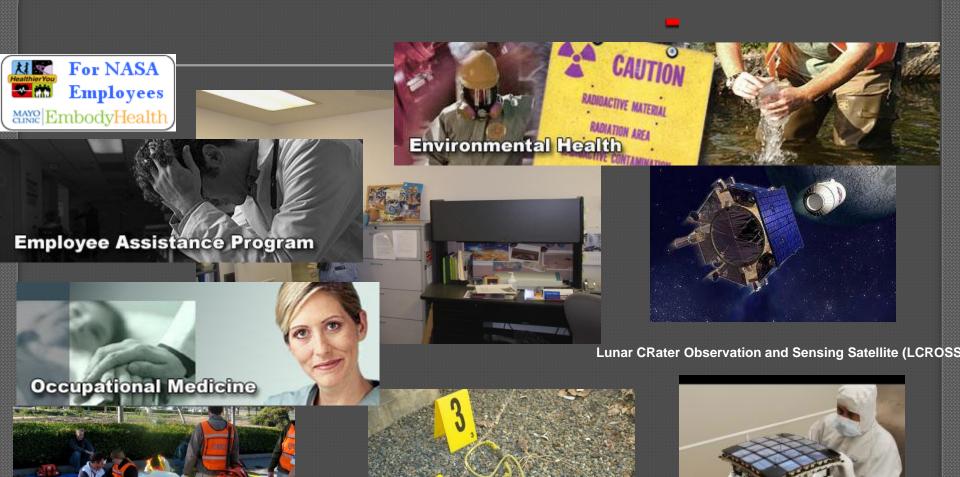


Image above: Kepler Photometer Focal Plane Assembly. Credit: Ball Aerospace

Safety, Health and Medical Services Division

- Industrial Hygiene (Health)
- Health Physics (Radiation Safety)
- Occupational and Facility Safety
- Medical Fitness EAP
- Human Research and Drug Approval
- Safety, Health and Environmental Training
- Emergency Response Support

Industrial Hygiene (Health)

- Occupational Asbestos Management
- Occupational Lead Management
- Confined Spaces Program
- Ergonomics
- Employee Chemical Exposure Monitoring
- Sanitation Inspections (Cafeteria/Child Care Center)
- Laboratory Hood Certification and Testing
- Local Exhaust Testing
- Indoor Air Quality
- Hazard Communication
- Chemical Exposure Monitoring
- Legionella Management/Testing
- Noise Exposure Monitoring
- Hearing Conservation Program
- Fixed Gas Detection System
- Regulated Carcinogens
- Respiratory Protection Program
- Bloodborne Pathogen Program
- Material Safety Data Sheet Program
- Procurement Review (Chemicals, Radioisotopes, Lasers, Respiratory Protective Equipment)
- Safety, Health and Environmental Training
- Laboratory Analysis for Chemicals and Materials
- Response to daily calls for assistance

Health Physics (Radiation Safety)

- Nuclear Regulatory Commission License
- Semi Annual Radioisotope Inventory
- Leak Source Testing
- Receival Inspections for Radiological Materials
- Radioisotope Project Review and Approval
- Field Radiography Program (Center Wide)
- Radioactive Waste Disposal
- X-Ray Equipment Inventory
- Semi Annual X-Ray Survey
- EMF/ELF Surveys
- RF/Microwave Surveys
- Filter Box Surveys
- Quarterly Lab Inspections
- Laboratory Decommissioning Funding Authorization
- Employee Dosimetry (Monitoring)
- Sampling of Radiological Materials
- Analysis (Onsite) of Radioisotopes

Occupational Safety

- Fire Protection Engineering
- Crane and Heavy Equipment Safety
- Hot-work Permits
- Construction Safety Services/Inspections
- Facility Inspections
- Explosives Safety
- Public Safety
- Electrical Safety
- Fall Protection
- Permit Review
- Mishap Investigations
- HQ and OSHA/NRC Reporting
- Public Event Safety
- Safety Suggestion Program
- Safety Hotline
- NASA Safety Reporting System
- Response to daily calls for assistance
- Safety Accountability Program

Medical – Fitness – EAP

- Ambulance Emergency Response to 911
- Occupationally Required Exams
- Health Maintenance Exams
- Travel Clearance Exams, Travel Vaccinations, and Kits
- Vaccinations
- Specialty Exams (Flight, Lasers, Animal Handlers, Cafeteria Workers, etc.)
- Worker's Compensation Case Management
- Fitness Center
- Employee Assistance Program
- Workplace Violence Intervention
- Blood Drives
- Non-occupational Illness Treatment
- Safety and Computer Eyeglasses
- Wellness Programs

Human Research and Drug Approval

- Human Research Institutional Review Board
- Medical Monitor for all Human Research at Ames
- Medical evaluations/exams for research subjects
- Health Risk Assessments for human research
- Protection of human subject expert consultation
- Tracking and ethics enforcement of all Ames human research work
- Approval and tracking of DEA drugs used for research

Safety, Health and Environmental Training

- **Asbestos Awareness**
- **Back Injury Prevention**
- **Bloodborne Pathogens**
- BEAP's
- Chemical Hygiene for Labs
- Compressed Gas Safety
- **Confined Space Entry**
- CPR/First Aid AED
- Cryogen Safety
- **Ergonomics Office & Industrial**
- **Environmental Briefings**
- Ethylene Oxide Safety
- Fall Protection
- Fire Extinguisher
- Forklift
- Hazard Communication
- Hazard Waste Tiered Permits
- HazWaste/Environmental Essentials
- Hearing Conservation
- Hydrazine Awareness
- **Industrial Radiography**

- Industrial Ergonomics
- Laser Safety
- Lead Awareness
- Lock-out/Tag-out
- Manager's Safety, Health and Envt.
- **Managing Safety for Minors**
- Personal Aerial Lifting Device (Scissor lifts, etc.)
- Methylene Chloride Safety
- **NEPA** Overview
- New Hire Safety Orientation
- Office Ergonomics
- Overhead Crane
- **Personal Protective Equipment**
- **PCB** Awareness
- Radiation Safety (10 Different Courses)
- **Resident Agency Briefing**
- **Respiratory Protection**
- Spill Control/Containment Strategies
- Spill Prevention Control and
 - Countermeasure
- **Storm Water Pollution Prevention**
- **Student Safety Boot Camp**

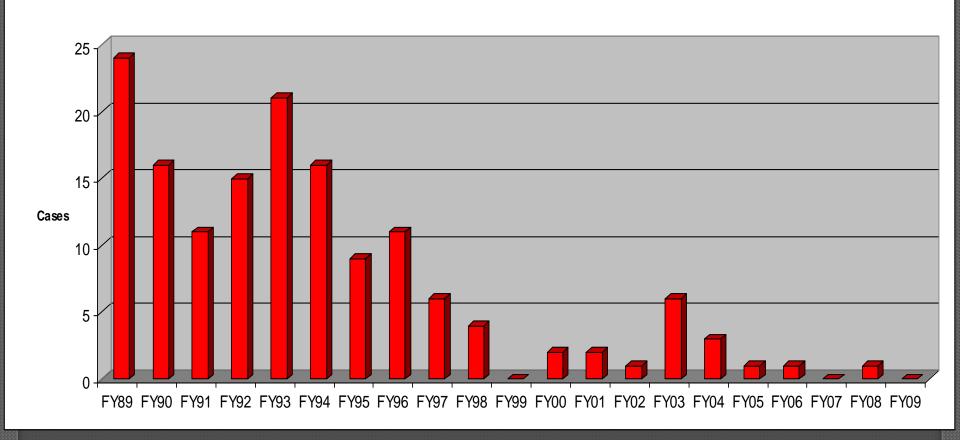
VPP STAR

- OSHA's policy is to interact with VPP sites as a consultant rather than an enforcer.
- VPP STAR Certification is an irrefutable third-party validation of a "World Class" safety program.
- What Are the Criteria for "Passing" and Becoming VPP Certified?
 - Injury rates below the national average for similar sites
 - Management and union commitment to the program
 - Implementation of the VPP safety program elements
 - Compliance with all applicable OSHA requirements
 - Positive attitude towards safety

The Safety Culture at ARC

- Objective: Describe the Safety Culture at an OSHA Voluntary Protection Program STAR site
 - Supervisor Accountability
 - Employee Involvement
 - Mishap and Close Call Reporting
 - Recognizing Innovation
 - Construction and Contractor Safety

Ames Civil Servant Number of Lost Time Cases FY89-09 (February, 2009)

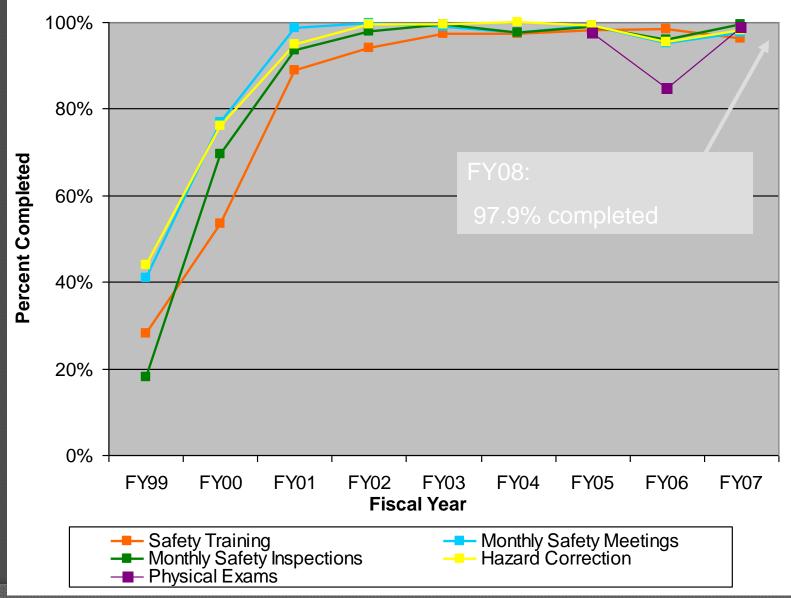


Safety and Supervisors

- Mission Success Starts with Safety
- Safety Starts with SupervisorAccountability
- Metrics
 - "What you measure is what you get."



FY99-FY07 ASAP Metrics



Employee Involvement in Safety

- VPP requires three meaningful methods for employees to be involved in decisions that affect their safety and health
- Recognition for Exemplary Behavior
 - 1) Safety Suggestion Program
 - 2) Ames Safety Awards Programs
 - 3) Best Practices

Best Practices

- Number of Best Practices Identified: 187
- Best Practices identified in 2009: 58
- Examples include:
 - Ames Emergency Preparedness Day
 - Employees developed topics for safety meetings
 - Developed special safety training to ensure all new fitness center members receive equipment safety training.

Best Practices Contest Winners



1st Place

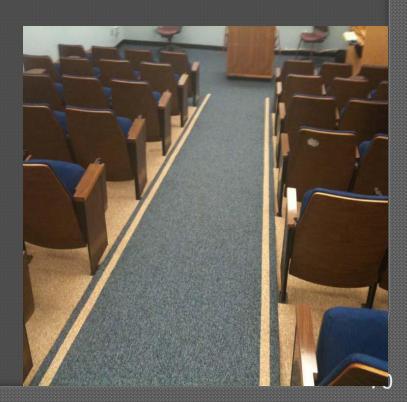
Ergonomic Floor Tile Puller

$3^{ m rd}$ Place

Use of unique carpet coloring scheme to prevent tripping hazard



2nd Place Emergency Supplies Container



Ames Safety Awards Program

- From 2003 to now, 630 employees have been recognized
- Recognizes and rewards any civil service and contract employee for outstanding safety contribution or action in any safety related area:
 - Occupational Safety
 - System Safety
 - Flight Safety
 - Operational Safety
 - Other Safety Related Functions

Contractor Safety as an Element of the OSHA Voluntary Protection Program

- Contractor employees enjoy equal protection, but follow their employer's rules
- Site owner establishes expectations, works to help those who need help
- Site owner monitors contractor safety performance and OSHA 300 logs

Initiatives at ARC to Improve Construction Safety

Zero Incidents Program

- Team of Safety Office/Maintenance/Engineering representatives steer program
- Training for construction managers and contract specialists
- Look at past performance in selection process
- Periodic safety briefings by construction manager
 - set expectations
 - · convey concern



14' Wind Tunnel Demolition: Practices to Accomplish Zero Incidents

- Best Value Solicitation
- Health & Safety Program Required
- Work Procedures for high risk activities
- Emphasize delegation of responsibility and communications (meetings & reports)
- Partnering with Contractor: safety is everyone's concern

Site Tour

- Ames Health Unit
- Ames Fitness Center
- N265 Hazardous Waste Storage
- N239 Radiation Laboratory
- N239A ACE Chemical Storage
- N246 Radioactive Waste Storage

Please submit your questions electronically to Robin.L.Wong@nasa.gov

